

For Research Use Only

NDUFV2 Monoclonal antibody, PBS Only



Catalog Number: 68150-1-PBS

Basic Information

Catalog Number: 68150-1-PBS	GenBank Accession Number: BC001632	Purification Method: Protein G purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4729	CloneNo.: 3B4A5
Source: Mouse	UNIPROT ID: P19404	
Isotype: IgG1	Full Name: NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa	
Immunogen Catalog Number: AG7760	Calculated MW: 27 kDa	
	Observed MW: 24-27 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
Human, Mouse, Rat, Rabbit, Pig, Chicken

Background Information

The NDUFV2 gene encodes the 24-kD subunit of the mitochondrial NADH: ubiquinone oxidoreductase (complex I of the respiratory chain). The protein belongs to the complex I 24 kDa subunit family. It is the core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. NDUFV2 constitutes one genetic risk factor for PD, and the mutation may well be a cause of complex I deficiency in this disease(PMID:9570948).

Storage

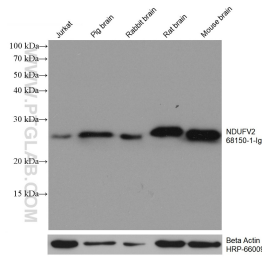
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

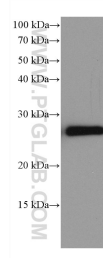
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

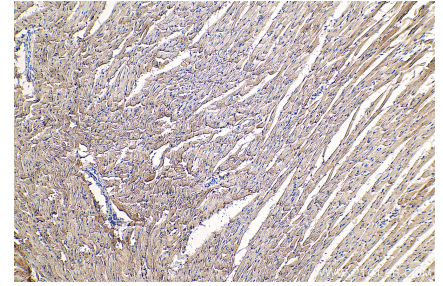
Selected Validation Data



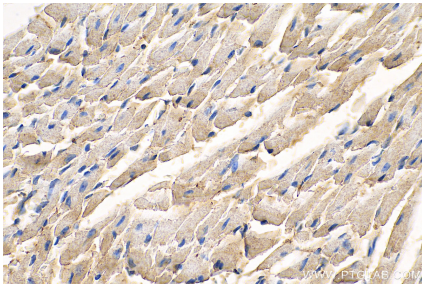
Various lysates were subjected to SDS PAGE followed by western blot with 68150-1-Ig (NDUFV2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 68150-1-PBS in a different storage buffer formulation.



chicken heart tissue were subjected to SDS PAGE followed by western blot with 68150-1-Ig (NDUFV2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68150-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 68150-1-Ig (NDUFV2 antibody) at dilution of 1:0 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68150-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 68150-1-Ig (NDUFV2 antibody) at dilution of 1:0 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68150-1-PBS in a different storage buffer formulation.